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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/813,354	03/21/2001	Marieke Iwema	03797.00084	3470

28319 7590 07/28/2004

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EXAMINER

BASEHOAR, ADAM L

ART UNIT

PAPER NUMBER

2178

DATE MAILED: 07/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/813,354

Applicant(s)

IWEMA ET AL.

Examiner

Adam L Basehoar

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 07/21/01.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to communications: Application filed on 03/21/01 which claims domestic priority to Provisional Application 60247842 filed on 11/10/00 and the IDS filed on 07/20/01.

2. Claims 1-26 are pending in the case. Claims 1, 15-16, and 20 are independent claims.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 4-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Forcier (US-5,953,735 09/14/99).

-In regard to independent claim 1, Forcier teach a method for editing documents on a computer system:

inserting an insertion point icon (gesture prompt symbol) at a first position in an electronic document (column 14, lines 5-10);

receiving one more user inputs indicating movement from said first position to a second position (column 14, lines 16-17);

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responsive to said one or more user inputs (pen/stylus down location), displaying an origin icon (gesture prompt symbol) at said first position (column 14, lines 5-10)(Fig. 4: 50), and displaying a moving icon (gesture line stroke)(column 14, lines 56-57)(Fig. 4: 54, 56, 58, and 60) at said second position (Fig. 7B); and

moving one or more portions of said electronic document responsive to one or more user inputs (column 14, lines 55-67)(Fig. 7A-B).

-In regard to dependent claims 4, 17, and 18, Forcier teach wherein said one or more of said user inputs (first and second locations) (column 14, lines 5-22) was generated using a stylus (column 7, lines 2-4)(Fig. 2: 14).

-In regard to dependent claim 5, Forcier teach comprising the step of displaying a connection line (Fig. 4: 51) between said origin icon (Fig. 4: 50) and said moving icon as said moving gesture stroke icon moves (column 14, lines 8-22).

-In regard to dependent claim 6, Forcier teach comprising the step of displaying a connection line (Fig. 4: 41) between said origin icon (Fig. 4: 50) and a point on a margin (Fig. 7Q & 7S) of said electronic document corresponding to said second position (columns 15-16, lines 48-67 & 1-3).

-In regard to dependent claim 7, Forcier teach comprising the step moving said moving icon responsive to said user stylus input (gesture stroke), and keeping said origin icon stationary

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while said moving icon moves (column 14, lines 8-22) to the length of the gesture stroke (column 14, lines 56-57).

-In regard to dependent claims 8 and 11, Forcier teach wherein the step of moving further comprises the step of inserting (Fig. 4A) or deleting (Fig. 4B) space (column 14, lines 55-67) between said first position and said second position (Fig. 7B & 7C).

-In regard to dependent claims 9 and 12, Forcier teach wherein said electronic document was a text document having directional flow (column 6, lines 52-55)(Fig. 7A), and said moved portion (Fig. 7B: Everything to the right of “This is a printed script.”) of said document was located downstream, from said first position (user selected gesture prompt)(Fig. 4: 50) prior to said step of moving said one or more portions of said document (Fig. 7A: Prior location of moved portion).

-In regard to dependent claims 10 and 13, Forcier teach wherein said deleted space was contiguous space within said document (Fig. 7C). Forcier also teaches preserving certain relationships of data during user editing such as words and paragraphs (Abstract: lines 14-18). Forcier further teaches a user input (gesture stroke) could indicate movement beyond a page in the document containing multiple pages wherein data could be moved to successive pages (columns 8 & 15, lines 44-46 & 50-55). So based on the teachings of preserving data relationships, a user gesture moving document data beyond a single page document (column 8,

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lines 18-20) or that last page of a multi-page document would be terminated by virtue of the lack of space to which to move the document data.

-In regard to dependent claim 14, Forcier teach a computer-readable medium having executable instructions for carrying out the steps of claims 1 (column 2, lines 66-67)(Fig. 2: 10).

-In regard to independent claims 15 and 16, Forcier teach a portable computing device having a display (Fig. 1: 16) and a stylus (Fig. 1: 14), a method of editing documents comprising; displaying a portion of said electronic document on said display (Fig. 7A);

generating a first icon (gesture prompt symbol)(Fig. 4: 50) at a first location in said electronic document responsive to a user input (column 14, 5-15);

detecting movement of said stylus from said first location to a second location in the document (column 14, lines 16-17), wherein the second location was different from the first location (Fig. 7A-B: moving the location the second sentence to the right);

and responsive to the movement, moving a portion of said electronic document to either increase (column 14, lines 55-58)(Fig. 7A) or delete space (column 14, lines 59-67)(Fig. 7C) in said electronic document between the two locations.

-In regard to dependent claims 19, 21, and 22, Forcier teach wherein said second user input identification (gesture line stroke)(Fig. 4: 54, 56, 58, 60) identifies movement from said first location by dragging said stylus across a portion of a digitizer (column 14, lines 16-22).

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-In regard to independent claim 20, Forcier teach a system comprising:

a stylus (Fig. 1: 14);

a processor (Fig. 1: 10); and

a digitizer (Fig. 1: 12);

wherein responsive to one or more user inputs, said processor causes an insertion point icon (gesture prompt symbol)(column 14, lines 5-15)(Fig. 4: 50) displayed on said digitizer to become two icons (gesture prompt icon and gesture line stroke)(Fig. 4: 50, 54, 56, etc), wherein moving said moving icon was responsive to said user stylus input (gesture stroke), and keeping said origin icon (gesture prompt symbol) stationary while said moving icon moves (column 14, lines 8-22) to the length of the gesture stroke (column 14, lines 56-57).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2-3 and 23-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Forcier (US-5,953,735 09/14/99).

-In regard to dependent claims 2 and 23, Forcier teach wherein the shape of the insertion point icon (gesture prompt symbol)(Fig. 4: 50) can be varied (column 14, lines 8-15). Forcier does not specifically teach wherein one of the shapes of the insertion point icon included one or more directional indicators. However, Forcier does implicitly teach wherein the initial insertion point icon was bound by directional indicators (Fig. 6C) used to calculate possible movements from an initial point “x” (column 21, lines 42-67). It would have been obvious to one of ordinary skill in the art at the time of the invention, for Forcier’s variable insertion point icons to have displayed their implicit directional indicators for possible future movements, because it would have provided the obvious advantage of giving the user a quick intuitive guide to which directional gestures were allowed by the prompt, wherein the basic function of any icon was to provide a graphical representation to help users make easy informed selections.

-In regard to dependent claims 3 and 24, Forcier teach wherein said moving icon (gesture line stroke) included a directional indicator (i.e. stroke direction arrow head)(Fig. 4: 54, 56, 58, 60). Forcier also teach, as shown above in regards to claim 7, that the insertion point icon was stationary and said moving icon was movable. As discussed above in claim 2, Forcier does not specifically teach wherein one of the shapes of the insertion point icon included one or more directional indicators. However, Forcier does implicitly teach wherein the initial insertion point icon was bound by directional indicators (Fig. 6C) used to calculate possible movements from an initial point “x” (column 21, lines 42-67). It would have been obvious to one of ordinary skill in the art at the time of the invention, for Forcier’s variable insertion point icons to have displayed their implicit directional indicators for possible future movements, because it would have

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provided the obvious advantage of giving the user a quick intuitive guide to which directional gestures were allowed by the prompt, wherein the basic function of any icon was to provide a graphical representation to help users make easy informed selections.

-In regard to dependent claim 25, Forcier teach wherein said directional indicator of said stationary and said moving objects are located internal (i.e. within the text) (Fig. 7B) to an area of an electronic document (i.e. effected text) between said stationary prompt symbol and said moving icon.

-In regard to dependent claim 26, Forcier teach wherein said directional indicator of said stationary and said moving icons are located external (i.e. in the margin) (column 15, lines 48-53)(Fig. 7Q) to an area of an electronic document (i.e. effected text) between said stationary and moving icon.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US-6,525,749	02-2003	Moran et al.
US-5,231,698	07-1993	Forcier
US-6,683,631	01-2004	Carroll

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US-5,613,019

03-1997

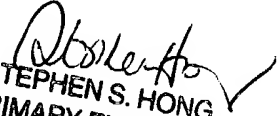
Altman et al.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam L Basehoar whose telephone number is (703) 305-7212. The examiner can normally be reached on M-F: 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (703) 308-5186. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ALB


STEPHEN S. HONG
PRIMARY EXAMINER